

## **FACT SHEET**

**for the U.S. Environmental Protection Agency's  
Draft Class V Individual Permit #NV504000001  
to Leon Mark Kizer (Owner) and PTP, Inc. (Operator)  
Allotment CC 234 near Gardnerville, Nevada**

### **Location:**

Pineview Subdivision  
149 N. Highway 395  
Gardnerville, NV 89410

### **Permittees:**

Leon Mark Kizer (Owner)  
c/o Bureau of Indian Affairs - Western Nevada Agency  
311 East Washington Street  
Carson City, NV 89701

Ray May, President  
PTP, Incorporated (Operator)  
P.O. Box 188  
Minden, NV 89423  
telephone: (775) 265-0594  
fax: (775) 265-7792

### **Regulatory Contact:**

Eric Byous, Environmental Scientist  
U.S. Environmental Protection Agency, Region 9  
Ground Water Office, WTR-9  
75 Hawthorne Street  
San Francisco, CA 94105  
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## **I. Purpose of the Fact Sheet**

Pursuant to the Underground Injection Control (UIC) regulations in Title 40 of the Code of Federal Regulations (CFR), Part 124.8, the purpose of this fact sheet is to briefly describe the principle facts and the considerations that went into preparing the draft permit. To meet these objectives, this fact sheet contains background information on the permit process, a description of the facility, a brief discussion of the permit conditions, and the reasons for these permit conditions.

## **II. Permit Process**

### *Application and Review Period*

Under 40 CFR §§144.12(c)(1) and 144.25(a), the U.S. Environmental Protection Agency (EPA) Director may require the owner or operator of any Class V injection well which is authorized by rule to apply for and obtain a UIC permit. On March 31, 2004, the EPA sent a letter PTP, Inc. requiring them to file an application for a Class V UIC permit. EPA received the UIC application for an individual permit for two (2) injection wells from PTP, Inc. on May 11, 2004. EPA's administrative review of the application package was completed on May 25, 2004 and additional information was requested to administratively complete the application. The requested information was provided and PTP, Inc. was notified that the application was considered administratively complete in a letter dated June 9, 2004. Following this, EPA began the technical review and requested a modification in the design of one of the injection wells. EPA received the requested technical review information on July 28, 2004. In August, 2004, EPA completed a draft Class V individual permit for two existing injection wells and, if it becomes necessary for permit compliance, two additional injection wells. The permit contains numerous construction, operation, maintenance, monitoring, reporting, and abandonment requirements.

### *Public Participation*

The public will be given 30 days to review and comment on the Class V UIC draft permit (40 CFR §124.10). The draft permit and this fact sheet will be available at the following locations:

Minden Public Library  
1625 Library Lane  
Minden, NV 89423

Carson City Public Library  
900 North Roop Street  
Carson City, NV 89701

U.S. Environmental Protection Agency, Region 9  
Ground Water Office  
75 Hawthorne Street  
San Francisco, CA 94105

The draft permit and fact sheet will also be available at EPA Region 9's web page at <http://www.epa.gov/region9/water/underground/pineview.html>.

The public comment period begins on August 6, 2004 and ends on September 5, 2004. All written comments on the draft permit can be sent, faxed, or E-mailed to Eric Byous using the contact information listed on the first page of this fact sheet. Eric Byous is also available by phone for any questions regarding the draft permit. Please contact Eric Byous with any requests to hold a public hearing on the draft permit. A public hearing provides an opportunity to present

comments on the draft permit in a public forum.

All persons, including the applicant, who object to any condition of the draft permit or EPA's decision to prepare a draft permit must raise all reasonable ascertainable issues and submit all reasonable arguments supporting their position by the close of the comment period (40 CFR §124.13). The public comment period may be reopened if this could expedite decision making (40 CFR §124.13).

### *Final Decision Making Process*

Once the comment period ends, EPA will review and consider all comments relevant to the UIC permit and application. A response to comments will be sent to the applicant and each person who has submitted written comments or requested notice of the final permit decision. The response to comments will contain: a response to all significant comments of the draft permit, the final decision, any permit conditions that are changed and the reasons for the changes, and procedures for appealing the decision.

If none of the comments request a change to the draft permit, the permit is effective immediately upon issuance. If changes are requested, then the permit becomes effective 30 days after the issuance of the final decision unless a later date is specified or a review is requested under 40 CFR 40 CFR §124.19.

## **III. Description of the Facility**

Pineview Subdivision is a development comprising of 219 individual homes on Indian Allotment #CC 234. The two injection wells at Pineview Subdivision proposed to be regulated by a UIC permit are designed to inject treated wastewater underground through a subsurface wastewater infiltration system (commonly known as a drainfield). One of the injection wells is designed to inject 33,600 gallons of treated wastewater from 167 homes per day; the other injection well is designed to inject 10,400 gallons of treated wastewater from 52 homes per day. The injection lines for both injection wells consist of a collection system with lift stations, an equalization tank, advanced treatment units, and automatic dosing siphons prior to drainfield injection.

## **IV. Brief Summary of Specific Permit Conditions**

In order to protect public health and the environment, the following conditions for injection well construction, operation, maintenance, and monitoring have been included in the Pineview Subdivision's Draft Class V UIC Permit:

### *Well Construction (Part II, Section C of the Draft Permit)*

In order to ensure proper well construction, no injection well may be constructed at the Pineview Subdivision without prior approval from EPA. The Permittees must submit the design specifications for any proposed well at least 21 days before construction. Disposal Field A consists of 1,723 feet of drainfield piping injecting treated wastewater five (5) feet below the

specifications for any proposed well at least 21 days before construction. Disposal Field A consists of 1,723 feet of drainfield piping injecting treated wastewater five (5) feet below the ground surface. Disposal Field B consists of 7,920 feet of drainfield piping injecting treated wastewater four (4) feet below the ground surface. Complete injection well schematics are included in Appendix A. At least four (4) monitoring wells must be constructed per injection well and sampling ports must be constructed throughout the injection line at specified locations.

#### *Well Operation (Part II, Section D of the Draft Permit)*

Only sanitary waste as defined in 40 CFR §146.3 may be injected into any of the injection wells at the Pineview Subdivision. Disposal Fields A and B may only inject a maximum of 33,600 and 10,400 gallons, respectively, of treated wastewater per day. Any malfunction of the injection well line, discharge of wastewater to the ground surface or a surface water body, detection of coliphage (virus indicator) or nitrates in any monitoring well, or an exceedance of injectate discharge concentration limits will result in an immediate cessation of injection activity. The wastewater must then be collected onsite and hauled to an appropriate facility. The injectate discharge concentration limitations are 25 milligrams of total dissolved solids per liter of treated wastewater, 25 milligrams of biological oxygen demand (5 day) per liter of treated wastewater, and 15 milligrams of nitrate (as nitrogen) per liter of treated wastewater,

#### *Well Maintenance (Part II, Section E of the Draft Permit)*

The Permittees are required to develop a Maintenance Plan (that must be approved by EPA) for all components of the injection well line to ensure long-term proper operation of the wastewater treatment processes. The Permittees are also required to hire a professional registered engineer to perform a comprehensive system inspection once per year. The results of all maintenance activities must be sent to EPA on a monthly basis.

#### *Well Monitoring (Part II, Section F of the Draft Permit)*

The Permittees are required to create a Sampling Plan to be approved by EPA. All sampling analyses must be performed at a laboratory approved by EPA. To ensure proper treatment system operation, the injection well line must be monitored for total Kjeldahl nitrogen, nitrate-nitrogen, total suspended solids, biological oxygen demand (5-day), volatile organic compounds, and total effluent volume (using siphon dosing tank counters) prior to injection on a monthly basis. To ensure injection activities are not degrading ground water quality, the ground water monitoring wells must be sampled for ground water elevation, nitrate-nitrogen, coliphage (male-specific), and fecal coliform bacteria on a monthly basis. All monitoring activities must be reported to EPA each month.

#### *Well Abandonment (Part III, Section E of the Draft Permit)*

Upon determination that any injection well regulated by this permit is to be permanently abandoned, the Permittees shall hire a licensed contractor to remove and properly dispose of all conveyances, backfill the trenches with native material, and compact to grade.